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Atty Docket No. 022024-000300US

PTO FAX NO.: 571-273-1473

ATTENTION: Examiner Jennifer A. Boyd

Group Art Unit 1771

**OFFICIAL COMMUNICATION**  
**FOR THE PERSONAL ATTENTION OF**  
**EXAMINER Jennifer A. Boyd**

**CERTIFICATION OF FACSIMILE TRANSMISSION**

I hereby certify that the following documents in re Application of Christopher J. Stepanian, George L. Gould, Application No. 10/034,296, filed December 21, 2001 for AEROGEL COMPOSITE WITH FIBROUS BATTING are being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Documents Attached

1. Transmittal Form (1 pg.)
2. Fee Transmittal (1 pg., 1 dup.)
3. Supplemental Amendment and Reply (8 pgs.)

Number of pages being transmitted, including this page: 12

Dated: January 5, 2006

  
Pamela Skelton

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436

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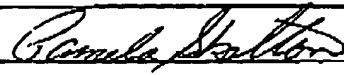
JAN 05 2006

PTO/SB/21 (09-04)

<b>TRANSMITTAL FORM</b>  <small>(to be used for all correspondence after initial filing)</small>	Application Number	10/034,296	
	Filing Date	December 21, 2001	
	First Named Inventor	Stepanian, Christopher J.	
	Art Unit	1771	
	Examiner Name	Jennifer A. Boyd	
Total Number of Pages in This Submission	11	Attorney Docket Number	022024-000300US

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks: The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Townsend and Townsend and Crew LLP		
Signature			
Printed name	Kawai Lau		
Date	January 5, 2006	Reg. No.	44,461

CERTIFICATE OF TRANSMISSION/MAILING			
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Signature			
Typed or printed name	Pamela Skelton	Date	January 5, 2006

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PTO/SB/17 (12-04)

Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). <b>FEE TRANSMITTAL</b> <b>For FY 2005</b>		<b>Complete If Known</b> Application Number 10/034,296 Filing Date December 21, 2001 First Named Inventor Stepanian, Christopher J. Examiner Name Jennifer A. Boyd Art Unit 1771 Attorney Docket No. 022024-000300US	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		RECEIVED CENTRAL FAX CENTER JAN 05 2006	
TOTAL AMOUNT OF PAYMENT (\$ 75)			

## METHOD OF PAYMENT (check all that apply)

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☒ Deposit Account Deposit Account Number 20-1430 Deposit Account Name Townsend and Townsend and Crew LLP  
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☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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## FEE CALCULATION

## 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

## 2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>	<b>Multiple Dependent Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
51	-20 or HP = 3	x \$25 =	\$75			
HP = highest number of total claims paid for, if greater than 20						
<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>			
4	-3 or HP = 0	x \$100 =	\$0			
HP = highest number of independent claims paid for, if greater than 3						

## 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).


<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
- 100 =	/ 50 =	(round up to a whole number) x	=	

## 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: \_\_\_\_\_

## SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 44,461	Telephone 858-350-6100
Name (Print/Type)	Kawai Lau	Date	January 5, 2006

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PATENT  
Attorney Docket No.: 022024-000300US

TOWNSEND and TOWNSEND and CREW LLP

By: *Pamela Skelton***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

## In re application of:

Christopher J. Stepanian, et al.

Application No.: 10/034,296

Filed: December 21, 2001

For: AEROGEL COMPOSITE WITH  
FIBROUS BATTING

Customer No.: 20350

Confirmation No. 9746

Examiner: Jennifer A. Boyd

Technology Center/Art Unit: 1771

SUPPLEMENTAL AMENDMENT AND  
REPLY UNDER 37 C.F.R. §1.111

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is a supplemental response to an Office Action mailed August 10, 2005, which set November 10, 2005 as the initial deadline for response. A fully responsive Reply was previously filed on October 28, 2005. This Supplemental Reply corrects a recently discovered clerical/typographical error in claim 12 and the omission of two dependent claims.

Claims 1-48 were pending. Reconsideration in light of the claim revisions and remarks that follow is respectfully requested.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 8 of this paper.

01/06/2006 MBINAS 00000027 201430 10034296  
01 FC:2202 75.00 DA